Journal of Fluid Mechanics **Volume 344 10 August 1997**

S. A. Suslov & S. Paolucci Nonlinear analysis of convection flow in a tall vertical enclosure under non-Boussinesq conditions *page* 1

R. Chicón, A. Castellanos & E. Martin Numerical modelling of Coulomb-driven convection in insulating liquids 43

M. Amitay & J. Cohen Instability of a two-dimensional plane wall jet subjected to blowing or suction 67

D. Newman & G. E. Karniadakis A direct numerical simulation study of flow past a freely vibrating cable 95

R. M. Clever & F. H. Busse Tertiary and quaternary solutions for plane Couette flow 137

C. G. Speziale & T. B. Gatski Analysis and modelling of anisotropies in the dissipation rate of turbulence 155

S. Arendt, D. C. Fritts & Ø. Andreassen The initial value problem for Kelvin vortex waves 181

N. Kleeorin, I. Rogachevskii, A. Ruzmaikin, A. M. Soward & S. Starchenko Axisymmetric flow between differentially rotating spheres in a dipole magnetic field 213

A. Gopinath, S. B. Chen & D. L. Koch Lubrication flows between spherical particles colliding in a compressible non-continuum gas 245

M. S. Longuet-Higgins Viscous dissipation in steep capillary–gravity waves 271

J. S. Wettlaufer, M. G. Worster & H. E. Huppert Natural convection during solidification of an alloy from above with application to the evolution of sea ice 291

R. J. Lingwood On the impulse response for swept boundary-layer flows 317

A. D. Jenkins & K. B. Dysthe The effective film viscosity coefficients of a thin floating fluid layer 335

S. N. Gurbatov, S. I. Simdyankin, E. Aurell, U. Frisch & G. Tóth On the decay of Burgers turbulence 339

BOOK REVIEWS

Boundary-Element Analysis, by J. H. Kane 375

Essays on Aerodynamics, edited by P. G. Bakker, R. Coene & J. L. van Ingen 376

Biological Flows, edited by M. Y. Jaffrin & C. G. Caro 377

INDEX TO VOLUME 344 380

SCHEDULE OF INTERNATIONAL CONFERENCES ON FLUID MECHANICS 381

CAMBRIDGE
UNIVERSITY PRESS

JFLSA7 344 1–382 (1997) 0022–1120 © Cambridge University Press

0022-1120(199708)344;1-#0

Journal of Fluid Mechanics **Volume 344 10 August 1997**

S. A. Suslov & S. Paolucci Nonlinear analysis of convection flow in a tall vertical enclosure under non-Boussinesq conditions *page* 1

R. Chicón, A. Castellanos & E. Martin Numerical modelling of Coulomb-driven convection in insulating liquids 43

M. Amitay & J. Cohen Instability of a two-dimensional plane wall jet subjected to blowing or suction 67

D. Newman & G. E. Karniadakis A direct numerical simulation study of flow past a freely vibrating cable 95

R. M. Clever & F. H. Busse Tertiary and quaternary solutions for plane Couette flow 137

C. G. Speziale & T. B. Gatski Analysis and modelling of anisotropies in the dissipation rate of turbulence 155

S. Arendt, D. C. Fritts & Ø. Andreassen The initial value problem for Kelvin vortex waves 181

N. Kleeorin, I. Rogachevskii, A. Ruzmaikin, A. M. Soward & S. Starchenko Axisymmetric flow between differentially rotating spheres in a dipole magnetic field 213

A. Gopinath, S. B. Chen & D. L. Koch Lubrication flows between spherical particles colliding in a compressible non-continuum gas 245

M. S. Longuet-Higgins Viscous dissipation in steep capillary–gravity waves 271

J. S. Wettlaufer, M. G. Worster & H. E. Huppert Natural convection during solidification of an alloy from above with application to the evolution of sea ice 291

R. J. Lingwood On the impulse response for swept boundary-layer flows 317

A. D. Jenkins & K. B. Dysthe The effective film viscosity coefficients of a thin floating fluid layer 335

S. N. Gurbatov, S. I. Simdyankin, E. Aurell, U. Frisch & G. Tóth On the decay of Burgers turbulence 339

BOOK REVIEWS

Boundary-Element Analysis, by J. H. Kane 375

Essays on Aerodynamics, edited by P. G. Bakker, R. Coene & J. L. van Ingen 376

Biological Flows, edited by M. Y. Jaffrin & C. G. Caro 377

INDEX TO VOLUME 344 380

SCHEDULE OF INTERNATIONAL CONFERENCES ON FLUID MECHANICS 381

CAMBRIDGE
UNIVERSITY PRESS

JFLSA7 344 1–382 (1997) 0022–1120 © Cambridge University Press

0022-1120(199708)344;1-#0